

N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240



• RG8X, PE-C240, 0.240 inch, B7808A, LMR-240

Interface Type

Crimp/Solder Attachment

Gold Plated Brass Contact

• 30 µin minimum contact plating

RF Connectors Technical Data Sheet

PE4344

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4344 type N male connector with crimp/solder attachment for RG8X, PE-C240, 0.240 inch, B7808A and LMR-240 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.5:1.

Our type N male connector PE4344 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
VSWR			1.5:1	
Operating Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size	
Length	1.394 in [35.41 mm]
Width/Dia.	0.827 in [21.01 mm]
Weight	0.068 lbs [30.84 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 PE4344

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240



RF Connectors Technical Data Sheet

PE4344

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male Connector Crimp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 PE4344

URL: https://www.pasternack.com/n-male-standard-rg8x-pe-c240-connector-pe4344-p.aspx

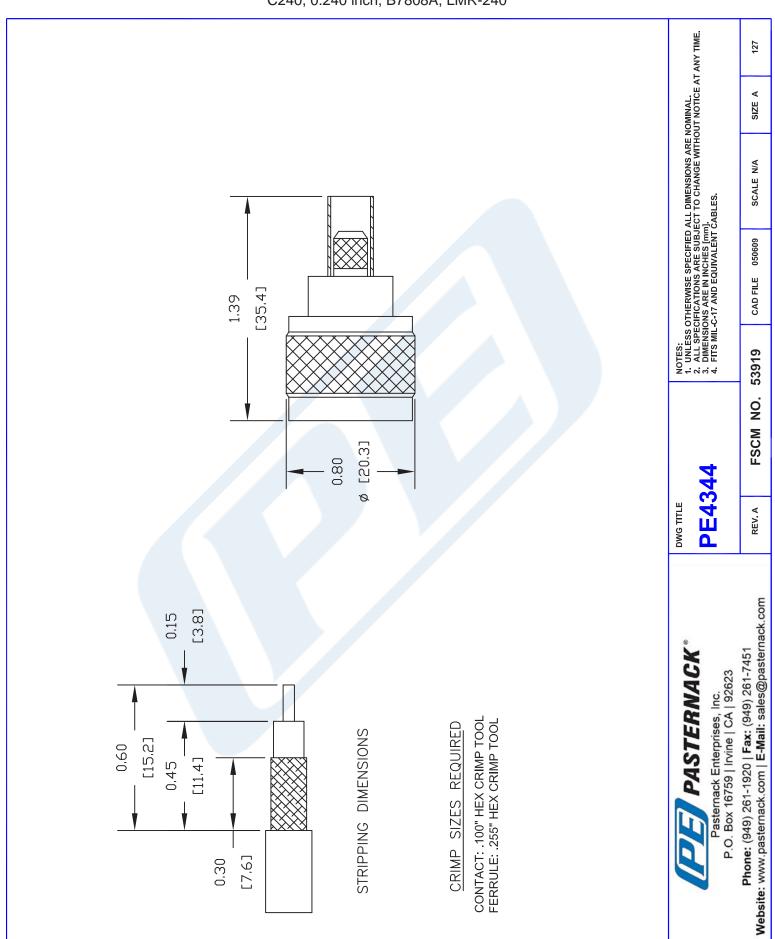
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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PE4344 CAD Drawing N Male Connector Crimp/Solder Attachment for RG8X, PE-

C240, 0.240 inch, B7808A, LMR-240





BNC Male Connector Clamp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240



• RG8X, PE-C240, .240 inch, B7808A, LMR-240 Inter-

RF Connectors Technical Data Sheet

PE4379

Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

Features

• Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

face Type

Clamp/Solder Attachment

3 µin minimum contact plating

Description

Pasternack's PE4379 BNC male connector with clamp/solder attachment for RG8X, PE-C240, .240 inch, B7808A and LMR-240 is part of our full line of RF components available for same-day shipping.

Our BNC male connector PE4379 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Mechanical Specifications

Size	
Length	1.09 in [27.69 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.035 lbs [15.88 g]

Material Specifications

Description	Material	Plating			
Contact	Brass	Gold 3 µin minimum			
Insulation	PTFE				
Body	Brass Nickel 100 µin minimum				
Coupling Nut	Brass	Nickel 100 µin minimum			

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Connector Clamp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 PE4379

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BNC Male Connector Clamp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240

RF Connectors Technical Data Sheet

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data Notes:

Assembly Instruction

BNC Male Connector Clamp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Connector Clamp/Solder Attachment for RG8X, PE-C240, 0.240 inch, B7808A, LMR-240 PE4379

URL: https://www.pasternack.com/bnc-male-standard-rg8x-pe-c240-connector-pe4379-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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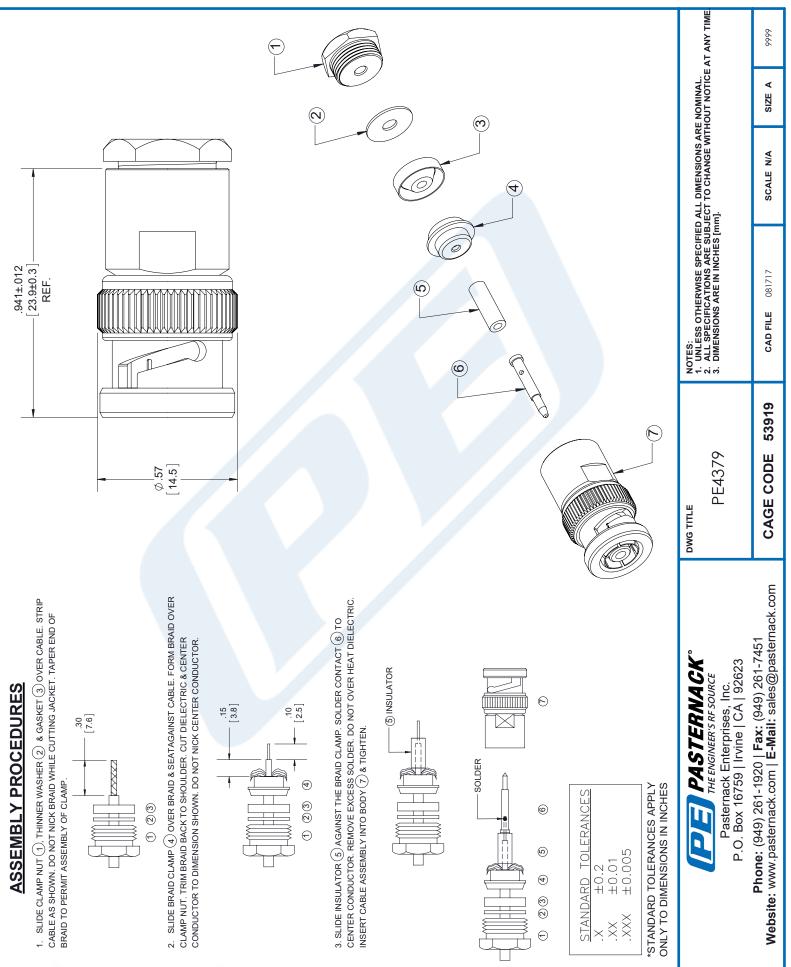


PE4379

PE4379 CAD Drawing

BNC Male Connector Clamp/Solder Attachment for RG8X,

PE-C240, 0.240 inch, B7808A, LMR-240



LMR[®]-240 Flexible Low Loss Communications Coax

Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Short Antenna Feeder runs (e.g. WLL, GPS, LMR, Mobile Antennas)
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

• LMR[•] standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

LMR*-DB is identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.
LMR*-FR is a non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

• LMR*- FR-PVC is a general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

• LMR[®]- PVC is designed for low loss general-purpose applications and is somewhat more flexible than the standard polyethylene jacketed LMR.

• LMR*-PVC-W is a white-jacketed version of LMR-PVC for marine and other applications where color compatibility is desired.

• LMR^{*}- MA is a flexible cable designed specifically for mobile antenna applications. It has a PVC jacket and un-bonded aluminum tape to facilitate end stripping with automated equipment.

• **Flexibility** and bendability are hallmarks of the LMR-240 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.

• Low Loss is another hallmark feature of LMR-240. Size for size LMR has the lowest loss of any flexible cable and comparable loss to semirigid hard-line cables.

LMR 240

• **RF Shielding** is 50 dB greater than typical single shielded coax (40 dB). The multi-ply bonded foil outer conductor is rated conservatively at > 90 dB (i.e. >180 dB between two adjacent cables).

• Weatherability: LMR-240 cables designed for outdoor exposure incorporate the best materials for UV resistance and have life expectancy in excess of 20 years.

• **Connectors**: A wide variety of connectors are available for LMR-240 cable, including all common interface types, reverse polarity, and a choice of solder or non-solder center pins. Most LMR connectors employ crimp outer attachment using standard hex crimp sizes.

• **Cable Assemblies**: All LMR-240 cable types are available as pre-terminated cable assemblies. Refer to the section on FlexTech for further details.

	Part Description			Stock
Part Number	Application	Jacket	Color	Code
LMR-240	Outdoor	PE	Black	54021
LMR-240-DB	Outdoor/Watertight	PE	Black	54090
LMR-240-FR	Indoor/Outdoor Riser CMR	FRPE	Black	54029
LMR-240-FR-PVC	Indoor/Outdoor Riser CMR	FRPVC	Black	54214
LMR-240-PVC	General Purpose	PVC	Black	54140
LMR-240-PVC-V	V General Purpose	PVC	White	54202
LMR-240-MA	Indoor & Mobile Antenna	PVC	Black	54046

Construction Specifications								
Description Material In. (
Inner Conductor	Solid BC	0.056	(1.42)					
Dielectric	Foam PE	0.150	(3.81)					
Outer Conductor	Aluminum Tape	0.155	(3.94)					
Overall Braid	Tinned Copper	0.178	(4.52)					
Jacket	(see table above)	0.240	(6.10)					

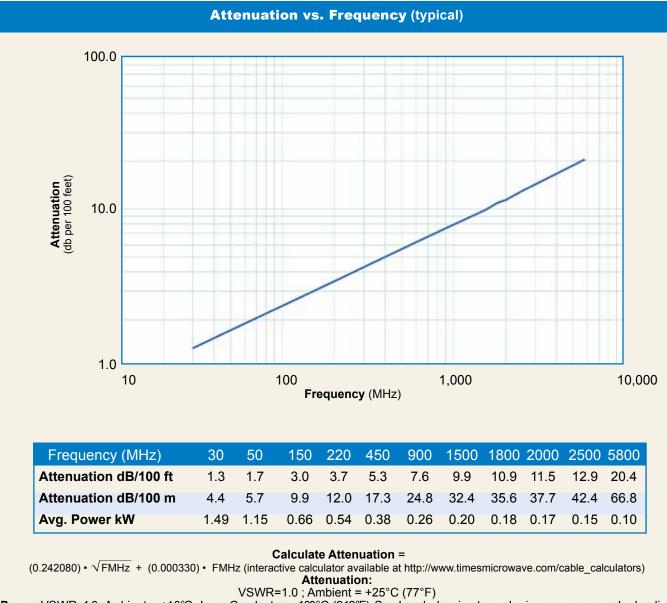


	Mechanic	al Specifica	tions	
	Performance Property	Units	US	(metric)
	Bend Radius: installation	in. (mm)	0.75	(19.1)
	Bend Radius: repeated	in. (mm)	2.5	(63.5)
I	Bending Moment	ft-lb (N-m)	0.25	(0.34)
	Weight	lb/ft (kg/m)	0.034	(0.05)
I	Tensile Strength	lb (kg)	80	(36.3)
	Flat Plate Crush	lb/in. (kg/mm)	20	(0.36)

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Environmental Specifications						
Performance Property	۴F	°C				
Installation Temperature Range	-40/+185	-40/+85				
Storage Temperature Range	-94/+185	-70/+85				
Operating Temperature Range	-40/+185	-40/+85				

Electrical Specifications						
Performance Property	Units	US	(metric)			
Velocity of Propagation	%	84				
Dielectric Constant	NA	1.42				
Time Delay	nS/ft (nS/m)	1.21	(3.97)			
Impedance	ohms	50				
Capacitance	pF/ft (pF/m)	24.2	(79.4)			
Inductance	uH/ft (uH/m)	0.060	(0.20)			
Shielding Effectiveness	dB	>90				
DC Resistance						
Inner Conductor	ohms/1000ft (/km)	3.2	(10.5)			
Outer Conductor	ohms/1000ft (/km)	3.89	(12.8)			
Voltage Withstand	Volts DC		1500			
Jacket Spark	Volts RMS		5000			
Peak Power	kW		5.6			



Power: VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air; atmospheric pressure; no solar loading

TIMES MICROWAVE SYSTEMS

LMR[®]-240 Flexible Low Loss Communications Coax



Connectors

Interface	Description	Part	Stock		NR**	Coupling		Outer Contact	Finish* Body		ngth	Wi			eight
Interface	Description	Number	Code	Freq.	(GHZ)	Nut	Attach	Attach	/Pin	in	(mm)	in	(mm)	lb	(g)
FMale	Straight Plug	TC-240-FM	3190-924	<1.25:1	(2.5)	Knurl	Solder	Crimp	N/G	1.1	(28)	0.45	(11.4)	0.014	(6.4)
NMale	Straight Plug	EZ-240-NMH-D	3190-1127	<1.25:1	(2.5)	Hex/Knurl	Spring Finger	Crimp	A/G	1.5	(38.1)	0.78	(19.8)	0.086	(39.0)
NMale	RightAngle	TC-240-NM-RA	3190-2426	<1.35:1	(6)	Hex	Solder	Crimp	A/G	1.3	(32.4)	1.22	(31.0)	0.092	(41.7)
NMale	RightAngle	TC-240-NMH-RA-D	3190-2426	<1.35:1	(6)	Hex/Knurl	Solder	Crimp	A/G	1.2	(32.4)	1.22	(31.0)	0.091	(41.7)
NMale	Straight Plug	TC-240-NMH-D	3190-382*	<1.25:1	(2.5)	Hex/Knurl	Solder	Crimp	N/S	1.5	(38)	0.75	(19.1)	0.086	(39.0)
NMale	Straight Plug	TC-240-NMC	3190-244	<1.25:1	(2.5)	Knurl	Solder	Clamp	S/G	1.5	(38)	0.75	(19.1)	0.082	(37.2)
1.0/2.3 DIN	Straight Plug	EZ-240-1023M	3190-2512	<1.35:1	(2.5)	knurl	Spring Finger	Crimp	N/G	1.1	(228.5)	0.33	(8.5)	0.014	(6.63)
NFemale	Bulkhead Jack	TC-240-NF-BH	3190-419	<1.25:1	(2.5)	NA	Solder	Crimp	A/G	1.7	(44)	0.88	(22.2)	0.115	(52.2)
NFemale	Panel Mount	TC-240-NF-BHF(A)	3190-866*	<1.25:1	(2.5)	NA	Solder	Crimp	A/G	1.7	(44)	0.88	(22.2)	0.115	(52.2)
BNC Male	Straight Plug	TC-240-BMC	3190-242	<1.25:1	(2.5)	Knurl	Solder	Clamp	S/G	1.7	(43)	0.56	(14.2)	0.040	(18.1)
BNC Male	Straight Plug	TC-240-BM(A)	3190-867	<1.25:1	(2.5)	Knurl	Solder	Crimp	A/G	1.7	(43)	0.5 6	(14.2)	0.043	(19.5)
TNC Male	Straight Plug	EZ-240-TM	3190-1128	<1.25:1	(2.5)	Knurl	Spring Finger	Crimp	N/G	1.4	(34.3)	0.59	(15.0)	0.043	(19.5)
TNC Male	Straight Plug	TC-240-TM	3190-275	<1.25:1	(2.5)	Knurl	Solder	Crimp	N/G	1.7	(43)	0.59	(15.0)	0.043	(19.5)
TNCMale	RightAngle	TC-240-TM-RA	3190-604	<1.35:1	(2.5)	Knurl	Solder	Crimp	N/G	1.3	(33)	0.57	(14.5)	0.055	(24.9)
TNC Male	Reverse Polar	ity EZ-240-TM-RP	3190-970	<1.25:1	(2.5)	Knurl	Spring Finger	Crimp	A/G	1.4	(36)	0.59	(15.0)	0.043	(19.5)
QMAMale	Straight Plug	EZ-240-QM	3190-1533	<1.25:	(6)	Knurl	Spring Finger	Crimp	N/G	1.2	(30.0)	0.41	(10.5)	0.014	(6.35)
QMAMale	RightAngle	EZ-240-QM-RA	3190-1539	<1.25:	(<6)	Knurl	Spring Finger	Crimp	N/G	0.8	(20.3)	0.65	(16.5)	0.019	(8.62)
SMAMale	Straight Plug	EZ-240-SM	3190-1530	<1:25:	(6)	Hex	Spring Finger	Crimp	N/G	1.0	(25.4)	0.32	(8.1)	0.016	(7.26)
SMAMale	Straight Plug	TC-240-SM	3190-380*	<1.25:1	(10)	Hex	Solder	Crimp	SS/G	1.0	(25)	0.32	(8.1)	0.016	(7.3)
SMAMale	RightAngle	TC-240-SM-RA	3190-381*	<1.35:1	(6)	Hex	Solder	Crimp	SS/G	0.8	(20)	0.65	(16.5)	0.019	(8.6)
SMAMale	Reverse Polar	ity TC-240-SM-RP	3190-326	<1.25:1	(2.5)	Hex	Solder	Crimp	SS/G	1.0	(25)	0.32	(8.1)	0.016	(7.3)
SMAFemale	Bulkhead Jack	TC-240-SF-BH	3190-824*	<1.25:1	(2.5)	NA	Solder	Crimp	SS/G	1.1	(29)	0.31	(7.9)	0.019	(8.6)
Mini-UHF	Straight Plug	TC-240-MUHF	3190-445	<1.25:1	(2.5)	Knurl	Solder	Crimp	N/G	1.1	(28)	0.45	(11.4)	0.014	(6.4)

* Finish metals: N=Nickel, S=Silver, G=Gold, SS=Stainless Steel, A=Alballoy **VSWR spec based on 3 foot cable with a connector pair *Available in bulk pack





TC-240-NF-BHF (A)



Hardware Accessories

Туре	Part Number	Stock Code	Description
Ground Kit	GK-S240TT	GK-S240TT	Standard Ground Kit (each)



Part Number Stock Code Description Туре Crimp Tool CT-240/200/195/100 3190-667 Crimp tool for LMR-100, 195, 200 and 240 connectors Strip Tool CST-240 3192-070 Strip tool Removes center conductor rough edges Deburr Tool DBT-U 3192-001 **Cutting Tool** CCT-01 3190-1544 Cable end flush cut tool Replacement blade for cutting tool **Replacement Blade** RB-01 3190-1609 Replacement blade kit for all CST strip tools Replacement **RB-CST** 3192-086